

STUDENT NAME: _____

BIOTECHNOLOGY
Performance Skills Evaluation Score Sheet
2007

Performance rating scale:

| | |
|-------------------------------|---|
| 4 = highly skilled | Successfully demonstrated without supervision |
| 3 = moderately skilled | Successfully demonstrated with limited supervision |
| 2 = limited skill | Demonstrated with close supervision |
| 1 = not skilled | Demonstration requires direct instruction and supervision |

A minimum score of 3 for each of the following performance skills must be achieved to meet state skill certification requirements.

| | Date | 4 | 3 | 2 | 1 |
|--|------|---|---|---|---|
| 01.02 Research and present biotechnology concept using effective communication skills. | | | | | |
| 02.02 Demonstrate proper aseptic/sterilizing techniques. | | | | | |
| 03.02 Maintain accurate records and documentation by reporting relevant data in order of occurrence. | | | | | |
| 03.04 Demonstrate proper use and handling of pipettes. | | | | | |
| 04.04 Prepare solutions of defined concentrations and pH. | | | | | |
| 06.01 Prepare bacterial growth media. | | | | | |
| 06.02 Demonstrate the ability to culture and maintain microorganisms. | | | | | |
| 07.01 Perform and analyze DNA gel electrophoresis. | | | | | |
| 07.02 Demonstrate the ability to use proper separation techniques to differentiate between proteins based on size and structure (chromatography and SDS-PAGE). | | | | | |
| 08.01 Perform a transformation and analyze results. | | | | | |
| 08.02 Purify plasmid DNA and analyze results. | | | | | |

Teacher's Signature

Date

Student's Signature

Performance Skills Evaluation Score Sheet must be kept on file by the instructor for one year.